

CLAIMS

1. An electrode structure comprising a single electrode on an insulating base, the single electrode including both a component that can be a polarized electrode and a component that can be a non-polarized electrode.
2. An electrode structure comprising:
  - an insulating base;
  - a polarized component layer (first layer) laminated on the insulating base so as not to penetrate the insulating base, the polarized component layer comprising a conductive paste or metallic foil which is predominantly made of a component that can be a polarized electrode; and
  - a non-polarized component layer (second layer) provided on the polarized component layer, the non-polarized component layer comprising a conductive paste which is predominantly made of a component that can be a non-polarized electrode.
3. The electrode structure according to claim 2, wherein the component that can be a polarized electrode is made of one or more materials selected from carbon, platinum, gold, aluminum and titanium.
4. The electrode structure according to claim 2, wherein the component that can be a non-polarized electrode is made of one or more materials selected from silver, silver chloride, copper and copper chloride.
5. The electrode structure according to claim 2, wherein the area of the non-polarized component layer is 1 to 10 cm<sup>2</sup>.

6. The electrode structure according to claim 2, wherein the thickness of the polarized component layer is 1 to 100  $\mu\text{m}$ .
7. The electrode structure according to claim 2, wherein 5 the thickness of the non-polarized component layer is 5 to 500  $\mu\text{m}$ .
8. An electrode structure comprising a conductive paste on an insulating base, the conductive paste being a mixture of a component that can be a polarized electrode and a component 10 that can be a non-polarized electrode.